	ZE OF STEEL
2	Vegetative Development Milestones
	Emergence - radicle and seminal roots still growing.
	First leaf collar - Corn 2-3 inches tall; first ring of nodal roots developing; damage to mesocotyl will result in
	seedling death.
	2nd leaf collar - Plant still relying on energy in seed, seminal
L	oots reaching maximum size.
	3rd leaf collar - Plant relying just on photosynthesis, seed no longer contributing to growth. Root hairs visible on
	dal roots.
	leed to control grass or broadleaf weeds before this stage o avoid significant yield loss.
	rn plant about 8 -12 inches tall. Growing point still below iund.
	wing point emerges above soil line. Typically 5 rings of al roots should be visible. Tillers are developing.
3475 55	nber of rows of kernels around the cob is fixed.
	entering rapid growth stage both above and below d. Small ear shoots visible if you split stalks. Plants
7000	36 inches tall. Tassel is developing. Degeneration
and los	ss of bottom 2 leaves has occurred.
	leaves emerging every 2 to 3 days. Period of rapid ke of nutrients and moisture and rapid plant growth.
	ce roots develop. Number of kernels in row length on
	cob is determined. Plant reaches full height. Ear size ig determined, stress can result in significant yield loss.
	seling - 2 to 3 days prior to silkinig. Pollen shed lasts for
	lays on an individual tassel. By end of this stage the
The same of the sa	as absorved about 65% of total N, 50% of total P and
85%	of total K it will require for the entire season.
	Reproductive Development Milestones
1000	One of the most critical stages in determining yield
200000000000000000000000000000000000000	II. Successful pollination must occur for kernel ment. Potassium uptake complete, N and P uptake is
	ing rapidly. Leaf analysis for nutrients at this stage highly
correlate	es with final yield.
	er-Kernerlsform as small blisters containing clear fluid.
	o's developing in every kernel. Kernels 85% moisture. Clear fluid in kernels begins to turn milky white as starch
	mulates. Stress during this stage can cause kernel
aborti	on.
	ugh - Starch is dough-like consistency. Drought or disease ess will usually result in reducing kernel depth and test
	ght. Kernels 70% moisture.
	t - Kernels are dented. Occurs about 35 to 40 days after
	ng. Cob has distinct color - white, pink or red. Kernels 55%
	sture. Silage Harvest begins sometime during stage, ending on desired whole plant moisture.
37	ck Layer - Physiological maturity. Total yield determined,
Distance -	

Stage

VE

V1

V2

V3

V4

V5

V6

V7

V8 - V9

V10 -V11

VT

Stage

R1

R2

R3

R4

uptake of nutrients and moisture and rapid plant Brace roots develop. Number of kernels in row V12 - nth the cob is determined. Plant reaches full height.